ABSTRACT

Disclosed herein are an electrically conductive resinous composition composed mainly of an electrically conductive carbon powder and a binding agent, wherein said binding agent is a mixture of a thermoplastic resin and a carbodiimide compound, a fuel cell separator and a process for production thereof, and polymer electrolyte fuel cell. The present invention permits efficient mass production of 10 fuel cell separators having high elasticity, good releasability, good dimensional accuracy, and good gas impermeability. The polymer electrolyte fuel cell, in which all or part of separators are those pertaining to the 15 present invention, is immune to the cracking of separators at the time of assembling, decreases only a little in output after continuous operation, and exhibits good gas sealing performance and high impact resistance.